

IMPRESSED CURRENT ANODE



Platinized Titanium Anodes



Niobium Anodes

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The substrate, usually titanium, is chemically resistant and mechanically robust. The substrate is activated by platinum coating. The coating has excellent electrocatalytic properties. The evolution of oxygen and chlorine and/or mixtures of the two gases is therefore achieved at low stable anode potential.

Composition

Anode comprises of a thin layer of platinum coated on titanium substrate.

Type of Anodes

Anodes are available in all shapes and forms including the following:

Rods, Wires, Tubes, Discs, Sheet, expanded mesh, strip and are custom made to the customer application and requirements.

Copper Cored Anodes are also available.

Applications:

- Internal Cathodic protection of tanks, condensers, pipelines & heat exchangers.
- External Cathodic protection of shiphulls, platforms, piers, dams, offshore structures & powerstation-inlets
- Buried structures (used with carbonaceous backfill)
- Tank bottom protection

Platinized Niobium Anodes – ICCP System

In modern ICCP-systems, Titanium and Niobium anodes are used. To realise a continuous current electrical conductivity and a long lifetime, the anodes are applied with a thin layer of Platinum.

The composition and thickness of these coatings determine the working and the lifetime of the ICCP-systems. The construction, the electrical output, current density and the characteristics of the electrolyte (freshwater, seawater, etc.) determine the size and shape of the anodes

Frequently employed applications

- Internal Cathodic protection of storage tanks, condensers, pipes, pipelines, heat exchangers and boilers.
- External Cathodic protection of pipelines, ship hulls, platforms and other offshore constructions, piers, dams and cooling water inlet parts of power stations.
- Tank bottoms.

We can provide this product to your specification and requirements